

Ginger R. DeMille

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File 350:Derwent WPIX 1963-2005/UD,UM &UP=200527
 (c) 2005 Thomson Derwent
 File 344:Chinese Patents Abs Aug 1985-2004/May
 (c) 2004 European Patent Office
 File 347:JAPIO Nov 1976-2004/Dec(Updated 050405)
 (c) 2005 JPO & JAPIO
 File 371:French Patents 1961-2002/BOPI 200209
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 File 2:INSPEC 1969-2005/Apr W4
 (c) 2005 Institution of Electrical Engineers
 File 35:Dissertation Abs Online 1861-2005/Mar
 (c) 2005 ProQuest Info&Learning
 File 65:Inside Conferences 1993-2005/May W1
 (c) 2005 BLDSC all rts. reserv.
 File 99:Wilson Appl. Sci & Tech Abs 1983-2005/Mar
 (c) 2005 The HW Wilson Co.
 File 256:TecInfoSource 82-2005/Mar
 (c) 2005 Info.Sources Inc
 File 474:New York Times Abs 1969-2005/Apr 30
 (c) 2005 The New York Times
 File 475:Wall Street Journal Abs 1973-2005/Apr 29
 (c) 2005 The New York Times
 File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
 (c) 2002 The Gale Group

Set	Items	Description
S1	814030	MAIL OR PARCEL? ? OR PACKAGE? ? OR SHIPMENT? ? OR MAILING(-) PIECE? ? OR LETTERS OR PACKET? ? OR AIRMAIL? ? OR AIRPOST OR AIR()POST
S2	1871256	POSTBOX OR MAILBOX? OR BOXES OR CONTAINER? ? OR RECEPTACLE? ? OR HOLDER? ? OR BASKET? ? OR RESERVOIR? ? OR RECEIVER? ? OR TRAY? ?
S3	208985	(S1 OR S2) (15N) (SCAN? OR DETECT? OR SENSOR? OR SENSE? OR S- ENSING? OR TRACE? OR TRACING OR DETERMIN? OR DISCOVER? OR REC- OGNI? OR WARN? OR MONITOR?)
S4	2633	S3(15N) (LIFE()THREAT? OR BOMB? ? OR CHEMICAL? ? OR TOXIC? - OR TERRORIS? OR VIRAL OR VIRUS? OR BACTERIA? OR BIOLOGICAL OR BIOCHEMICAL OR POWDER?)
S5	57	S4 AND (WORKFLOW OR WORK()FLOW OR WMS OR ROUTING OR ROUTE? ?)
S6	29	S5 FROM 350,344,347,371
S7	28	S5 NOT S6
S8	24	S7 NOT PY>2001
S9	20	RD (unique items)
S10	2276	S4 NOT (EMAIL? OR (E OR ELECTRONIC) (1W) (MAIL? OR MESSAG?))
S11	2313	S4 NOT (E OR ELECTRIC OR DIGITAL) (2W)MAIL?
S12	54793	S1(15N) (SCAN? OR DETECT? OR SENSOR? OR SENSE? OR SENSING? - OR TRACE? OR TRACING OR DETERMIN? OR DISCOVER? OR RECOGNI? OR WARN? OR MONITOR?)
S13	1973	S12(15N)S2
S14	8	S13(15N) (BIO()TERRORI? OR BIOTERROR? OR BIOCHEMICAL OR BIO- ()CHEMICAL OR BOMB? ? OR LIFE()THREATEN? OR TERRORI?)
S15	8	RD (unique items)
S16	21	S13 AND HAZARD?
S17	20	S16 NOT S15
S18	19	RD (unique items)
S19	140	S13 AND (ROUTE OR ROUTING OR RE()ROUTING OR DETOUR? OR EXT- RACT? OR EXTRICAT? OR PULLING)
S20	115	S19 FROM 350,344,347,371
S21	25	S19 NOT S20
S22	16	S21 NOT PY>2001
S23	16	RD (unique items)
S24	58	S20 NOT PACKET? ?
S25	57	S24 NOT S14
		?

? t15/3,k/all

15/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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016455274 **Image available**
WPI Acc No: 2004-613192/200459
XRPX Acc No: N04-484586

Mailbox for use in household, has door and back wall with louvers extending to allow air to enter and leave housing, and metal detecting assembly that detects metal positioned in housing

Patent Assignee: SIMPSON S T (SIMP-I)
Inventor: SIMPSON S T
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6772939	B1	20040810	US 2003337175	A	20030107	200459 B

Priority Applications (No Type Date): US 2003337175 A 20030107

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6772939	B1	8	B65D-091/00	

Abstract (Basic):

... The louvers allows improved air flow through the housing, the **detector assembly detects bombs** and the door assembly removes explosives, thereby providing **mail carriers** to readily identify if a dangerous item had been placed inside a **mailbox**. The likelihood of a mail carrier being victimized by **terrorism** and injured when opening a mailbox or infected with illness from contaminated mail is reduced...

15/3,K/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

015608895 **Image available**
WPI Acc No: 2003-671052/200363
XRAM Acc No: C03-182941
XRPX Acc No: N03-535854

Biochemical hazard package detector, for detecting the presence of e.g. hazardous materials, has airtight container, airtight container opening, clamper or damper devices, air circulator, air collector, and biochemical detector

Patent Assignee: YOON S H (YOON-I)
Inventor: YOON S H
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030136203	A1	20030724	US 2001344635	P	20011026	200363 B
			US 2002281680	A	20021028	

Priority Applications (No Type Date): US 2001344635 P 20011026; US 2002281680 A 20021028

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20030136203	A1	12	G01N-001/38	Provisional application US 2001344635

Biochemical hazard package detector, for detecting the presence of e.g. hazardous materials, has airtight container, airtight container opening, clamper or damper devices, air circulator, air collector, and biochemical detector

Abstract (Basic):

... A **biochemical hazard package detector** has an airtight **container**; an airtight **container opening** attached to the **container**

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; a clamper or damper devices in the container to hold a package upon receiving; an air circulator in the **container** to disturb interior of the **package**; an air collector to take air particles out from the **package**; and a **biochemical detector** connected to the air collector to analyze the air particles.

... A **biochemical hazard package detector** comprises an airtight **container** (109) having first and second ends; an airtight **container** opening attached to the first end of the container, where the opening timely opens to...

...of the package held by the damper by air; an air collector connected to the **container** to take air particles out from the **package**; and a **biochemical detector** connected to the air collector to analyze the air particles...

15/3,K/3 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

012688869 **Image available**
WPI Acc No: 1999-494978/199942
XRPX Acc No: N99-368706

Mailbox for detecting package contents and letter bombs
Patent Assignee: TUNGER H (TUNG-I)
Inventor: TUNGER H
Number of Countries: 001 Number of Patents: 002

Patent Family:
Patent No Kind Date Applicat No Kind Date Week
DE 19752211 A1 19990729 DE 1052211 A 19971125 199942 B
DE 19752211 C2 20020418 DE 1052211 A 19971125 200228

Priority Applications (No Type Date): DE 1052211 A 19971125

Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
DE 19752211 A1 5 F42D-005/02
DE 19752211 C2 F42D-005/02

Mailbox for detecting package contents and letter bombs

15/3,K/4 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2005 JPO & JAPIO. All rts. reserv.

07981982 **Image available**
INFORMATION TRANSMITTER/RECEIVER AND METHOD FOR TRANSMITTING AND RECEIVING
INFORMATION

PUB. NO.: 2004-094741 [JP 2004094741 A]
PUBLISHED: March 25, 2004 (20040325)
INVENTOR(s): NISHIKAWA NAOTSUYO
APPLICANT(s): MATSUSHITA ELECTRIC IND CO LTD
APPL. NO.: 2002-257016 [JP 2002257016]
FILED: September 02, 2002 (20020902)

ABSTRACT

...finds out the hidden place by means of a mouse or a keyboard and the **receiver detects a bomb** prior to the electronic mail, the **bomb** explodes on the screen to transmit the electronic mail informing the explosion of the bomb...

15/3,K/5 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2005 Institution of Electrical Engineers. All rts. reserv.

6165895 INSPEC Abstract Number: B1999-03-6210L-134, C1999-03-5620W-040

Title: Data packet intercepting on the Internet: how and why? A closer look at existing data packet intercepting tools

Author(s): Venter, H.S.; Eloff, J.H.P.

Author Affiliation: Dept. of Comput. Sci., Rand Afrikaans Univ., Johannesburg, South Africa

Journal: Computers & Security vol.17, no.8 p.683-92

Publisher: Elsevier,

Publication Date: 1998 Country of Publication: UK

CODEN: CPSEDU ISSN: 0167-4048

SICI: 0167-4048(1998)17:8L:683:DPII;1-A

Material Identity Number: M680-1998-009

U.S. Copyright Clearance Center Code: 0167-4048/98/\$19.00

Language: English

Subfile: B C

Copyright 1999, IEE

...Abstract: example, intercept a data packet or datagram to execute harmful effects on it, mostly to **terrorize** the sender and/or the **receiver** of such **packet** or datagram. Some applications, on the other hand, might want to **monitor** a **packet** or datagram for security reasons. Still other applications might merely want to intercept a data...

15/3,K/6 (Item 1 from file: 474)

DIALOG(R)File 474:New York Times Abs

(c) 2005 The New York Times. All rts. reserv.

08002828 NYT Sequence Number: 797545020910

CAN THESE BOXES BE LOCKED AGAINST TERROR?

New York Times, Col. 1, Pg. 1, Sec. F

Tuesday September 10 2002

DESCRIPTORS: Postal Service; Biological and Chemical Warfare; **Terrorism** ; Security and **Warning** Systems; **Mail Boxes** ; Stamps (Postal); Postal Service

15/3,K/7 (Item 2 from file: 474)

DIALOG(R)File 474:New York Times Abs

(c) 2005 The New York Times. All rts. reserv.

07986843 NYT Sequence Number: 486914020616

LETTERS

Homard, Caroline; Homard, Caroline

New York Times, Col. 4, Pg. 8, Sec. 6

Sunday June 16 2002

ABSTRACT:

Letter from Caroline Homard suggests rigging all **containers** entering United States with indestructible plexiglass windows as way to **discover** suspicious **shipments** (May 26 article by Bill Keller on nuclear **terrorism**)

15/3,K/8 (Item 3 from file: 474)

DIALOG(R)File 474:New York Times Abs

(c) 2005 The New York Times. All rts. reserv.

07443680 NYT Sequence Number: 686166960805

PATENTS

Riordan, Teresa

New York Times, Col. 4, Pg. 2, Sec. D

Monday August 5 1996

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DESCRIPTORS: Inventions and Patents; **Bombs** and **Bomb** Plots; Airlines
and Airplanes; Postal Service; **Mail Boxes** ; X-Rays; Security and
Warning Systems
?

? t18/3,k/all

18/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

016753754 **Image available**
WPI Acc No: 2005-078032/200509
XRPX Acc No: N05-068432

Mailbox for receiving mail, has curved transparent panel that is attached to curved upper portion of main body and extends down each side of main body to a location adjacent base panel

Patent Assignee: SOUTH P J (SOUT-I)
Inventor: SOUTH P J
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6845904	B1	20050125	US 2002180656	A	20020626	200509 B

Priority Applications (No Type Date): US 2002180656 A 20020626

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6845904	B1	17	B65D-091/00	

Abstract (Basic):

... Allows owner to **determine** presence of **mail** in **mailbox** with a glance. Enables **mail** carrier to see that no explosive device or **hazardous** material has been positioned in **mailbox** prior to opening front door of mailbox...

18/3,K/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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016721828 **Image available**
WPI Acc No: 2005-046103/200505
XRPX Acc No: N05-040201

Cargo container monitoring system for use in commercial aircraft, has central monitoring system including transceiver to receive data from sensor module and local master processor for processing and analyzing data

Patent Assignee: CANICH D J (CANI-I); CROUCH D D (CROU-I); GALLIVAN J R (GALL-I); KARLSON R E (KARL-I); KATO K G (KATO-I); SAR D R (SARD-I); STARBUCK P D (STAR-I)
Inventor: CANICH D J; CROUCH D D; GALLIVAN J R; KARLSON R E; KATO K G; SAR D R; STARBUCK P D

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040233055	A1	20041125	US 2003440944	A	20030519	200505 B

Priority Applications (No Type Date): US 2003440944 A 20030519

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20040233055	A1	12	G08B-001/08	

Abstract (Basic):

... The central monitoring system efficiently detects and reconfirms a presence of a **hazardous** material in the cargo **container**. The system allows usage of small inexpensive **sensors** for various threats of interest, thus allowing a suite of the **sensors** to be **packaged** in a compact enclosure...

18/3,K/3 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX

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016216525 **Image available**

WPI Acc No: 2004-374413/200435

XRPX Acc No: N04-297878

Mail collection point-of-use for mail delivery system, has indicators positioned inside enclosure and coupled to detector for generating indication upon receipt of detection signal

Patent Assignee: US POSTAL SERVICE (USPO-N); DARTY H (DART-I)

Inventor: DARTY H

Number of Countries: 105 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040080414	A1	20040429	US 2002420980	P	20021024	200435 B
			US 2003632466	A	20030801	
WO 200463023	A2	20040729	WO 2003US24022	A	20030801	200451
AU 2003303087	A1	20040810	AU 2003303087	A	20030801	200479

Priority Applications (No Type Date): US 2002420980 P 20021024; US 2003632466 A 20030801

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20040080414	A1	18	G08B-021/00	Provisional application	US 2002420980

WO 200463023 A2 E B65D-000/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

AU 2003303087 A1 G08B-021/00 Based on patent WO 200463023

Abstract (Basic):

... The mail collection point-of-use has a mail **receptacle** positioned inside an enclosure (40) accumulating a received customer-deposited **mail**. A **detector** (70) positioned inside the enclosure generates a **detection** signal upon **detection** of an airborne **hazardous** material. Indicators (81, 82) positioned inside the enclosure are coupled to the detector for generating...

... An INDEPENDENT CLAIM is also included for a method of preventing detected **hazardous** materials within a mail collection point-of-use from contaminating components of subsequent mail delivery...

...The indicator coupled to **detector** indicates the **detection** of **hazardous** materials within the **mail** collection point-of-use before removing the **mail receptacle** and its contaminated mail, thereby preventing the spread of **hazardous** materials in a mail delivery system...

18/3,K/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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016066919 **Image available**

WPI Acc No: 2004-224770/200421

Related WPI Acc No: 2003-523805; 2003-569563; 2003-577542; 2003-767940; 2004-327095

XRAM Acc No: C04-088794

XRPX Acc No: N04-177552

Neutralizing system for hazardous materials in mail, has container with enclosed chamber, hazardous materials detection system, mechanism to fill chamber with neutralizing agent, and mechanism to purge

neutralizing agent from chamber

Patent Assignee: LOCKHEED MARTIN CORP (LOCK)

Inventor: MEGERLE C A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040024278	A1	20040205	US 2001330673	P	20011026	200421 B
			US 2001344848	P	20011231	
			US 2002201169	A	20020722	
			US 2002277069	A	20021021	
			US 2002289810	A	20021107	

Priority Applications (No Type Date): US 2002289810 A 20021107; US 2001330673 P 20011026; US 2001344848 P 20011231; US 2002201169 A 20020722 ; US 2002277069 A 20021021

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20040024278	A1		13	A62D-003/00	Provisional application US 2001330673

Provisional application US 2001344848
CIP of application US 2002201169
CIP of application US 2002277069

Neutralizing system for hazardous materials in mail , has container with enclosed chamber, hazardous materials detection system, mechanism to fill chamber with neutralizing agent, and mechanism to purge neutralizing agent from...

Abstract (Basic):

... mechanism for providing an air stream in the chamber, air input and output ports, a **hazardous** materials detection system, a mechanism for filling the chamber with a neutralizing agent that neutralizes targeted **hazardous** materials, and a mechanism for purging the neutralizing agent from the chamber.

... An INDEPENDENT CLAIM is also included for a method for detecting and neutralizing **hazardous** materials in mail...

...The system is used for neutralizing **hazardous** materials (e.g. biological pathogens including bacteria, bacterial spores including anthrax spores, viruses, rickettsia, toxins...

...associated with illicit drugs and other biological particles and materials, radioactive particles, chemical vapors, or **hazardous** industrial materials) in **mail** (Claimed). It is used for **detecting hazardous** materials inside **containers** and cargo carriers including semi-trailers, trucks, rail cars, or intermodal shipping/cargo containers...

...The invention quickly and efficiently detects and neutralizes **hazardous** materials inside containers used to ship materials, while the shipped materials are contained and prior to the unloading of the container and possible dissemination/distribution of any **hazardous** materials...

...Title Terms: **HAZARD** ;

18/3,K/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015832955 **Image available**

WPI Acc No: 2003-895159/200382

XPX Acc No: N03-714206

Secure shipment container for cargo e.g. jewels, hazardous materials, has electronics package with fiber optic alarm system and GPS to provide continuous indication of cargo status and location

Patent Assignee: ZIRO LIMIT COMPOSITE INC (ZIRO-N)

Inventor: ANHEIER N C; GORDON N R; PARK W R; SIMMONS K L; SLIVA P; STAHL K

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Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6556138	B1	20030429	US 98225843	A	19981231	200382 B

Priority Applications (No Type Date): US 98225843 A 19981231

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6556138	B1		9 G08B-013/14	

Secure shipment container for cargo e.g. jewels, hazardous materials, has electronics package with fiber optic alarm system and GPS to provide continuous indication...

Abstract (Basic):

... For secure shipment of cargo such as jewels, cash, high-valued items, weapons, vehicles, **hazardous** materials, medical or biological-related material liquid or gaseous materials...

...Provides real-time location, access and condition information about the cargo and the **containers** of critical **shipments**, simultaneously. Hence, enables continuous **monitoring** of the transport and storage of cargo...

...Title Terms: **HAZARD** ;

18/3,K/6 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

015800750 **Image available**

WPI Acc No: 2003-862953/200380

XRPX Acc No: N03-688731

Packet detector for spread area locations of hazardous atmospheres multiple access receiver, has synchronization matched filters connected in parallel to low pass filters through despreading filters

Patent Assignee: ALOHA NETWORKS INC (ALOH-N)

Inventor: ABRAMSON N; COPELAND E

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6625204	B1	20030923	US 9882863	P	19980424	200380 B
			US 99296589	A	19990423	

Priority Applications (No Type Date): US 9882863 P 19980424; US 99296589 A 19990423

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6625204	B1	11	H04B-001/69	Provisional application US 9882863

Packet detector for spread area locations of hazardous atmospheres multiple access receiver, has synchronization matched filters connected in parallel to low pass filters through despreading filters

Abstract (Basic):

... An INDEPENDENT CLAIM is also included for **receiver packet detection method**...

...For **detecting** single spreading sequence spread bit **packets** in spread area locations of **hazardous** atmospheres (ALPHA) multiple access (SAMA) **receiver**.

...Title Terms: **HAZARD** ;

18/3,K/7 (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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015705747 **Image available**
WPI Acc No: 2003-767940/200372
Related WPI Acc No: 2003-523805; 2003-569563; 2003-577542; 2004-224770;
2004-327095
XRAM Acc No: C03-211104
XRPX Acc No: N03-615122

System for detecting hazardous materials in, e.g. mail, has enclosed chamber in container sealed with respect to ambient atmosphere for containing mail, air plenum, air input and output ports, and hazardous materials detection system

Patent Assignee: LOCKHEED MARTIN CORP (LOCK)
Inventor: MEGERLE C A
Number of Countries: 101 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200381214	A2	20031002	WO 2002US34375	A	20021025	200372 B
US 20040020267	A1	20040205	US 2001330673	P	20011026	200411
			US 2002277069	A	20021021	
AU 2002367475	A1	20031008	AU 2002367475	A	20021025	200432
US 6823714	B2	20041130	US 2001330673	P	20011026	200479
			US 2002277069	A	20021021	

Priority Applications (No Type Date): US 2002277069 A 20021021; US 2001330673 P 20011026

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200381214	A2	E	23	G01N-001/24	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW
US 20040020267 A1 G01N-033/00 Provisional application US 2001330673

AU 2002367475	A1		G01N-001/24	Based on patent WO 200381214
US 6823714	B2		G01N-007/00	Provisional application US 2001330673

System for detecting hazardous materials in, e.g. mail, has enclosed chamber in container sealed with respect to ambient atmosphere for containing mail, air plenum, air input and output ports, and hazardous materials detection system

Abstract (Basic):

... System for **detecting hazardous materials in, e.g. mail**, comprises an enclosed chamber in a **container** which is sealed with respect to the ambient atmosphere for containing mail, an air plenum...

...for providing an air flow within the chamber, air input and output ports, and a **hazardous materials detection system** for detecting the presence of at least one **hazardous materials** in the air flow.

... System for **detecting hazardous materials in, e.g. mail**, comprises an enclosed chamber in a **container** which is sealed with respect to the ambient atmosphere for containing mail, an air plenum...

...within the container and for directing the flow of air from the container, and a **hazardous materials detection system** (38) for detecting the presence of at least one **hazardous materials** in the air flow. An INDEPENDENT CLAIM is also included for a method for **detecting hazardous materials in mail**, which comprises providing an airtight **container** for holding **mail** and having at least one air inlet and at

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least one air outlet; moving air through the **container** and through the **mail** contained in it between the air inlet and outlet; providing at least one **hazardous** material **sensor** ; and directing air leaving the **container** to the sensor...

...The system is used for **detecting** **hazardous** materials in **mail** (claimed). It is used for **detecting** **hazardous** materials inside shipping **containers** , e.g. semi-trailers cargo **boxes** , shipping **containers** , and rail cars, in which mail, merchandise, and goods are shipped...

...The inventive system quickly and efficiently detects **hazardous** materials inside containers used to ship materials...

...an end view of an exemplary container and an associated air flow moving system and **hazardous** -materials sensing system...

... **Hazardous** materials detection system (38)
Technology Focus:

... detection system are sealed so that air may not escape into the ambient atmosphere. The **hazardous** materials detection system includes sensors for sensing at least one biological pathogens including bacteria, bacterial...

...radioactive particles, chemical vapors including chemical warfare agents, explosives and explosives-related compounds, illicit drugs, **hazardous** industrial materials, other chemical vapors and materials, and other **hazardous** materials. The system further comprises mechanism for agitating the mail to loosen particles and vapors...

...Title Terms: **HAZARD** ;

18/3,K/8 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015686226 **Image available**

WPI Acc No: 2003-748415/200370

XRAM Acc No: C03-205265

XRPX Acc No: N03-599861

Mail **collection** receptacle **hazardous** material detection system
for mail **collection** receptacle , has air circulation mechanism and air
sampling mechanism

Patent Assignee: LOCKHEED MARTIN CORP (LOCK); LOCKHEED MARTIN FEDERAL
SYSTEMS INC (LOCK)

Inventor: BECKERT J T; HUTCHINSON D M; RICE D G; TERRY W S

Number of Countries: 101 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200376904	A2	20030918	WO 2002US34731	A	20021029	200370 B
US 20040026491	A1	20040212	US 2001350977	P	20011029	200412
			US 2002282868	A	20021029	
AU 2002367537	A1	20030922	AU 2002367537	A	20021029	200431

Priority Applications (No Type Date): US 2001350977 P 20011029; US
2002282868 A 20021029

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200376904 A2 E 34 G01N-001/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ
OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU
ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB
GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW

US 20040026491 A1 B65D-091/00 Provisional application US 2001350977
AU 2002367537 A1 G01N-001/00 Based on patent WO 200376904

Mail collection receptacle hazardous material detection system for mail collection receptacle, has air circulation mechanism and air sampling mechanism

Abstract (Basic):

... A mail collection receptacle hazardous material detection system for a mail collection receptacle having a chamber, comprises an air circulation mechanism for creating an air-stream in the...

...the receptacle; and an air sampling mechanism for analyzing air within the chamber for a hazardous agent capable of attachment to the receptacle wall in fluid communication with the chamber.

... A mail collection receptacle hazardous material detection system for a mail collection receptacle having a chamber, comprises an air circulation mechanism for creating an air-stream in the...

...collection receptacle; and an air sampling mechanism for analyzing air within the chamber for a hazardous agent being capable of attachment to the wall of the mail collection receptacle in fluid...

...agitates particulates within the mail collection receptacle and conveys the particulates for analysis of the hazardous agent...

...1) detecting hazardous materials within the chamber of the mail collection receptacle, comprising sensing the air in the chamber; indicating when the presence of hazardous material within the air of the mail collection receptacle is sensed; and ceasing the step of sensing after the indication of the presence of hazardous material within the air of the mail collection receptacle; and...

...2) a mail collection enclosure for hazardous material detection, comprising a mail container having an interior and a cutout in its side to view the contents of container from the outside; a transparent window larger than the cutout attached to the container and forming an airtight seal around the cutout; and a particulate sensor for detecting hazardous agents and attached to the interior of the container adjacent to the transparent window...

...The system and apparatus are used for a mail collection receptacle especially for hazardous materials including explosives and infectious or hazardous biological agents (claimed), as well as for the conventional collection of mail or other objects...

...The inventive system is capable of being used in the early detection of the hazardous material. It is capable of operating with bulk mails or other objects where the inventive...

Technology Focus:

... outlet attached to the receptacle. It comprises a particulate sensor being capable of sensing the hazardous agents from bio-warfare agents, chemical agents or explosive agents; the power source connection; the...

...capable of providing an indication whenever the air-stream contains one or more of the hazardous agents. The air sampling mechanism is constructed and monitored through the transparent window attached to the receptacle. The particular sensor comprises a reactive test strip. The container comprises a bag or a box. The detection system may comprise an incoming mail chamber to receive mail or other objects for hazardous material analysis; a test chamber being in alignment with the incoming mail chamber such that...

...test chamber for sensing samples of air in the test chamber for the presence of **hazardous** material and for providing an indication when the **hazardous** material is present. The **mail** or other objects are screened for **hazardous** material to make a **determination** of their free-of- **hazardous** -material condition prior to removal from the **receptacle** to another facility. The **detection** system is constructed and arranged for being used in conjunction with a vehicle. The incoming **mail** chamber comprises door(s) capable of forming an airtight seal within the test chamber for...

...Preferred Method: The **detection** method may comprise depositing **mail** articles within the **mail** collection **receptacle** ; agitating the **receptacle** ; **sensing** for the presence of the **hazardous** agents; and indicating the presence of the **hazardous** agents in the **receptacle** when the agents are **sensed** . The agitating step includes picking up and shaking the **receptacle** , and depositing the **mail** articles within the **receptacle** . The indicating step includes changing in color of the test strip, sounding of an audio...

...Title Terms: **HAZARD** ;

18/3,K/9 (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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015681931 **Image available**
WPI Acc No: 2003-744120/200370
Related WPI Acc No: 2003-659743; 2003-659974
XRAM Acc No: C03-204405
XRPX Acc No: N03-595923

Detection **system**, **useful** for determining **chemical** or **biological** hazards , **e.g.** **anthrax**, in incoming mail , **comprises** incoming mail receptacles **provided** with hazard detector , **communication** device and **source** detection device, and **server**

Patent Assignee: PITNEY BOWES INC (PITB)
Inventor: CORDERY R A; RUSSO K A; SANSONE R P
Number of Countries: 031 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030113922	A1	20030619	US 2001683380	A	20011219	200370 B
EP 1466293	A1	20041013	EP 2002795915	A	20021217	200467
			WO 2002US40432	A	20021217	
US 6867044	B2	20050315	US 2001683380	A	20011219	200520

Priority Applications (No Type Date): US 2001683380 A 20011219; US 2001683379 A 20011219; US 2001683381 A 20011219

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030113922	A1		17	G01N-033/00	
EP 1466293	A1	E		G06K-009/00	Based on patent WO 200354778
Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR					
US 6867044	B2			G01N-033/22	

Detection **system**, **useful** for determining **chemical** or **biological** hazards , **e.g.** **anthrax**, in incoming mail , **comprises** incoming mail receptacles **provided** with hazard detector , **communication** device and **source** detection device, and **server**

Abstract (Basic):

... A **hazard** detection system, comprises...

...1) incoming **mail** **receptacles** , each comprising a **hazard** **detector** , a **communication** device (220) and a **source** **detection** device for providing suspect source information when **hazard** is detected; and...

Ginger R. DeMille

... An INDEPENDENT CLAIM is also included for a method of coordinated **hazard** detection in a mail system, including...

...3) testing the mail piece for **hazards** ;
(...

...4) alerting a central server upon detection of **hazard** ; and...

...The system is used for detecting chemical or biological **hazards** , e.g. anthrax, in incoming mail

Technology Focus:

... Preferred Components: The **detection** system also includes a secure network connection between each incoming **mail receptacle** and the server, and an image **scanner** (211) for **scanning** the face of a **mail piece**...

...Title Terms: **HAZARD** ;

18/3,K/10 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015608075 **Image available**

WPI Acc No: 2003-670232/200363

XRAM Acc No: C03-182709

XRFX Acc No: N03-535109

Inspection enclosure for receiving and processing mail has glove port(s) traversing side member(s), and glove having sleeve portion attached to glove port

Patent Assignee: LANE C A (LANE-I); O'NEAL D F (ONEA-I)

Inventor: LANE C A; O'NEAL D F

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030103881	A1	20030605	US 2001341166	P	20011030	200363 B
			US 2002283749	A	20021030	

Priority Applications (No Type Date): US 2001341166 P 20011030; US 2002283749 A 20021030

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 20030103881 A1 12 A61L-002/22 Provisional application US 2001341166

Abstract (Basic):

... open, inspect, and photocopy a piece of mail without coming in direct contact with the **mail** . It serves as a transport **container** in the event **hazardous** materials are **discovered** in the **mail** . In the event **hazardous** materials are **discovered** , these materials may be preserved allowing investigators to study the materials so as to further...

18/3,K/11 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015597819 **Image available**

WPI Acc No: 2003-659974/200362

Related WPI Acc.No: 2003-659743; 2003-744120

XRAM Acc No: C05-077557

XRFX Acc No: N05-199967

Incoming mail receptacles system for anthrax detection , has mailboxes with scanner to scan face of quarantine mail detected by hazard detector , and server notifying receiver and sender for detected mail

Patent Assignee: PITNEY BOWES INC (PITB)

Inventor: CORDERY R A; RUSSO K A; SANSONE R P

Number of Countries: 098 Number of Patents: 004

Ginger R. DeMille

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030115161	A1	20030619	US 2001683381	A	20011219	200362 B
WO 200354778	A1	20030703	WO 2002US40432	A	20021217	200362
AU 2002360642	A1	20030709	AU 2002360642	A	20021217	200428
EP 1466293	A1	20041013	EP 2002795915	A	20021217	200467
			WO 2002US40432	A	20021217	

Priority Applications (No Type Date): US 2001683381 A 20011219; US 2001683379 A 20011219; US 2001683380 A 20011219

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 20030115161 A1 17 G06F-017/60

WO 200354778 A1 E G06K-009/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SI SK SL SZ TR TZ UG ZM ZW

AU 2002360642 A1 G06K-009/00 Based on patent WO 200354778

EP 1466293 A1 E G06K-009/00 Based on patent WO 200354778

Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

Incoming mail receptacles system for anthrax detection , has mailboxes with scanner to scan face of quarantine mail detected by hazard detector , and server notifying receiver and sender for detected mail

Abstract (Basic):

... The system has a set of **mail boxes** (200) having a **hazard detectors** (210) and an image **scanner** (211) for triggering a quarantine **mail piece** (100) and **scanning** face of the piece. The **boxes** also have communication systems (220) and a scan detection unit for providing source and recipient...

... The system is useful for detecting **hazards** e.g. anthrax in a mail pieces...

...the presence of any mail having biological contamination e.g. anthrax, thereby eliminating the potential **hazards** created to the mail recipient...

...The drawing shows a perspective cutaway view of an incoming **mail receptacle detection** system...

... **Hazard** detectors (210)

...Title Terms: **HAZARD** ;

18/3,K/12 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015597588 **Image available**

WPI Acc No: 2003-659743/200362

Related WPI Acc No: 2003-659974; 2003-744120

XRAM Acc No: C03-179839

XRFX Acc No: N03-526033

Incoming mail receptacle , for detecting hazards in mail piece, includes segregated incoming mail air sampler, hazard detector , transport mechanism, and hazard indicator

Patent Assignee: PITNEY BOWES INC (PITB)

Inventor: CORDERY R A; RUSSO K A; SANSONE R P

Number of Countries: 031 Number of Patents: 003

Ginger R. DeMille

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030113230	A1	20030619	US 2001683379	A	20011219	200362 B
US 6613571	B2	20030902	US 2001683379	A	20011219	200366
EP 1466293	A1	20041013	EP 2002795915	A	20021217	200467
			WO 2002US40432	A	20021217	

Priority Applications (No Type Date): US 2001683379 A 20011219; US 2001683380 A 20011219; US 2001683381 A 20011219

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030113230	A1		14	G01N-033/48	
US 6613571	B2			G01N-001/00	
EP 1466293	A1	E		G06K-009/00	Based on patent WO 200354778

Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

Incoming mail receptacle, for detecting hazards in mail piece, includes segregated incoming mail air sampler, hazard detector, transport mechanism, and hazard indicator

Abstract (Basic):

... An incoming mail **receptacle** comprises a segregated incoming **mail** air sampler comprising an incoming **mail** opening (207) and a lockable door, a **hazard detector** to test the sample and provide a **hazard** indication, a transport mechanism to move the **mail** piece into a collection chamber if no **hazard** is **detected**, and a **hazard** indicator connected to detector for alerting the user of a **hazard**.

... The incoming **mail receptacle** is used for **detecting hazards** in a **mail** piece by testing an air sample for **hazards**, transporting the **mail** piece to the collection chamber if no **hazard** is **detected**, and providing a **hazard** indication if a **hazard** is detected (claimed...).

...The novel system **detects** contaminated **mail** in an incoming **mail mailbox**.

Technology Focus:

... Preferred Component: A controller (213) is connected to the air sampler, **hazard** detector, transport mechanism, and **hazard** indicator for coordinating the sample collection, **hazard** detection and **hazard** indication. A vacuum system is connected to the controller having a vacuum source for collecting...

...the presence of mail pieces. A communication device (220) remotely alerts the user of a **hazard**. It includes a cellular link. A fluorometer **hazard** detector and DNA analysis **hazard** detector can also be included. The mail piece air sample includes a mail piece transport...

...Title Terms: **HAZARD** ;

18/3,K/13 (Item 13 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015355160 **Image available**

WPL Acc No: 2003-416098/200339

Related WPI Acc No: 2003-662496

XRPX Acc No: N03-331607

Document creation method for safe mail transmission, involves placing ordinary typing/paper provided with x-ray detectable markings, in hermetically sealed container

Patent Assignee: PITNEY BOWES INC (PITB)

Inventor: HAAS B J

Number of Countries: 097 Number of Patents: 003

Ginger R. DeMille

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6532275	B1	20030311	US 2001683206	A	20011130	200339 B
WO 200348751	A1	20030612	WO 2002US37518	A	20021122	200339
AU 2002343761	A1	20030617	AU 2002343761	A	20021122	200419

Priority Applications (No Type Date): US 2001683206 A 20011130

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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US 6532275	B1		6	H05G-001/28	
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WO 200348751	A1	E		G01N-023/04	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW

AU 2002343761	A1			G01N-023/04	Based on patent WO 200348751
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Document creation method for safe mail transmission, involves placing ordinary typing/paper provided with x-ray detectable markings, in hermetically sealed container

Abstract (Basic):

... Enables safe transmission of mails without fear of biological or chemical hazardous materials such as anthrax spores...

18/3,K/14 (Item 14 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014658925 **Image available**

WPI Acc No: 2002-479629/200251

XRAM Acc No: C02-136476

XRFX Acc No: N02-378773

Sensor for detecting analytes has a base component defining a conductive element, a binding agent layer, a semiconductive element, and another conductive element connected to semiconductive element and the base component

Patent Assignee: BIOSENSOR SYSTEMS DESIGN INC (BIOS-N); BAUER A J (BAUE-I)

Inventor: BAUER A J

Number of Countries: 098 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200231504	A1	20020418	WO 2001US29791	A	20010925	200251 B
AU 200194656	A	20020422	AU 200194656	A	20010925	200254
EP 1325330	A1	20030709	EP 2001975319	A	20010925	200345
			WO 2001US29791	A	20010925	
US 20040037746	A1	20040226	WO 2001US29791	A	20010925	200416
			US 2003380395	A	20030312	
JP 2004511779	W	20040415	WO 2001US29791	A	20010925	200426
			JP 2002534838	A	20010925	

Priority Applications (No Type Date): IL 138962 A 20001012

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200231504	A1	E	42	G01N-033/543	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200194656	A			G01N-033/543	Based on patent WO 200231504
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EP 1325330	A1	E		G01N-033/543	Based on patent WO 200231504
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Ginger R. DeMille

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
LI LT LU LV MC MK NL PT RO SE SI TR
US 20040037746 A1 G01N-027/00
JP 2004511779 W 63 G01N-027/416 Based on patent WO 200231504

Abstract (Basic):

... The **sensor** is useful for closed- **package** food **sensing** ,
sensing potentially **hazardous** samples such as blood in a closed
container and for **detecting** analytes e.g. peptides, antibodies,
enzymes, receptors, nucleic acid single strands and synthetic binding
agents...

18/3,K/15 (Item 15 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013949118
WPI Acc No: 2001-433332/200147
XRAM Acc No: C01-131149
XRPX Acc No: N01-321115

Production of liquid cigarettes without public hazard

Patent Assignee: YU Z (YUZZ-I)
Inventor: SUN Z; YU Z; ZOU B; ZUO B
Number of Countries: 001 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CN 1293928	A	20010509	CN 99121451	A	19991022	200147 B
CN 1094048	C	20021113	CN 99121451	A	19991022	200526

Priority Applications (No Type Date): CN 99121451 A 19991022

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
CN 1293928	A		A24B-015/24	
CN 1094048	C		A24B-015/24	

Production of liquid cigarettes without public hazard

Abstract (Basic):

... A liquid cigarette without public **hazard** is prepared through
choosing raw materials, crushing, baking, extracting liquid at 380-420
deg.C...

...with multifunctional extracting tank or reactor, cooling, collecting,
homogenizing, fine filter, storage, automatically loading in
containers , sealing and **package** . Its advantages include less harmful
components, adding **trace** elements, no need of ignition, and no
smoking.

...Title Terms: **HAZARD**

18/3,K/16 (Item 1 from file: 344)
DIALOG(R)File 344:Chinese Patents Abs
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4263927

TECHNOLOGY FOR PRODUCING LIQUID CIGARETTES WITHOUT PUBLIC HAZARD

Patent Assignee: YU ZHIGANG (CN)
Author (Inventor): ZHIGANG YU (CN); ZUODONG SUN (CN); BAOAN ZUO (CN)
Patent Family:

CC Number	Kind	Date
CN 1293928	A	20010509 (Basic)

Application Data:

CC Number	Kind	Date
*CN 99121451	A	19991022

18/3,K/17 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2005 Institution of Electrical Engineers. All rts. reserv.

7204234 INSPEC Abstract Number: B2002-04-6150M-037, C2002-04-5640-031
Title: A cumulative negative acknowledgment (CNAK) approach for scalable reliable multicast
Author(s): Gee-Swee Poo
Author Affiliation: Sch. of Comput., Nat. Univ. of Singapore, Singapore
Conference Title: Proceedings Tenth International Conference on Computer Communications and Networks (Cat. No.01EX495) p.268-73
Editor(s): Li, J.; Luijten, R.; Park, E.K.
Publisher: IEEE, Piscataway, NJ, USA
Publication Date: 2001 Country of Publication: USA xx+608 pp.
ISBN: 0 7803 7128 3 Material Identity Number: XX-2001-02344
U.S. Copyright Clearance Center Code: 0-7803-7128-3/01/\$10.00
Conference Title: Proceedings Tenth International Conference on Computer Communications and Networks
Conference Sponsor: Army Res. Lab.; IBM; Telcordia; Norkia; Avaya; IEEE Commun. Soc
Conference Date: 15-17 Oct. 2001 Conference Location: Scottsdale, AZ, USA
Language: English
Subfile: B C
Copyright 2002, IEE

...Abstract: negative acknowledgment (CNAK). In the scheme, we assume a window control of size W. A **receiver** does not send back a NAK immediately upon the **discovery** of a **packet** loss. Instead, the **receiver** accumulates the losses and returns a CNAK to the source at about half of the...

... overhead. Moreover, the use of multiple multicast channels for packet retransmission completely eliminates the exposure **hazard**. We apply the CNAK scheme to the DR local recovery model and show that the...

18/3,K/18 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2005 Institution of Electrical Engineers. All rts. reserv.

4916442 INSPEC Abstract Number: B9505-2570-025
Title: Minimizing ESD hazards in IC test handlers and automatic trim/form machines
Author(s): Tan, W.H.
Author Affiliation: Adv. Micro Devices Inc., Sunnyvale, CA, USA
p.57-64
Publisher: EOS/ESD Assoc, Rome, NY, USA
Publication Date: 1993 Country of Publication: USA xii+291 pp.
Conference Title: Electrical Overstress/Electrostatic Discharge Symposium Proceedings
Conference Sponsor: IEEE; EOS/ESD
Conference Date: 28-30 Sept. 1993 Conference Location: Lake Buena Vista, FL, USA
Language: English
Subfile: B
Copyright 1995, IEE

Title: Minimizing ESD hazards in IC test handlers and automatic trim/form machines

Abstract: ESD **hazards** present in trim-and-form and test handling processes can result in heavy yield loss...
... plastics leaded chip carrier (PLCC) package leads are separated, thus exposing the products to ESD **hazards**. Test handling is the last step before products are packed in static-shielding **containers** for **shipment**. In each step, a different ESD source was **detected** and a different control method was used. In trim-and-form equipment, electrostatic charges were...

Ginger R. DeMille

Identifiers: ESD **hazard** minimisation...

18/3,K/19 (Item 3 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2005 Institution of Electrical Engineers. All rts. reserv.

4677730 INSPEC Abstract Number: B9407-7230-027

Title: Design of a smart, survivable sensor system for enhancing the safe and secure transportation of hazardous or high-value cargo on railroads

Author(s): Hogan, J.R.; Rey, D.; Faas, S.E.

Author Affiliation: Sandia Nat. Labs., Albuquerque, NM, USA

p.147-52

Editor(s): Hawthorne, K.L.; Hill, R.J.

Publisher: IEEE, New York, NY, USA

Publication Date: 1994 Country of Publication: USA vi+157 pp.

ISBN: 0 7803 1890 0

U.S. Copyright Clearance Center Code: 0 7803 1890 0/94/\$4.00

Conference Title: Proceedings of IEEE/ASME Joint Railroad Conference

Conference Sponsor: ASME; IEEE

Conference Date: 22-24 March 1994 Conference Location: Chicago, IL, USA

Language: English

Subfile: B

Title: Design of a smart, survivable sensor system for enhancing the safe and secure transportation of hazardous or high-value cargo on railroads

...Abstract: Sandia National Laboratories for use in the safe and secure transportation of high value or **hazardous** materials is proposed for a railroad application. The Green Box would be capable of surviving...

... permitting them to respond in the most effective manner. The concept proposes a strap-on **sensor package** . the Green Box, that could be attached to any railroad car or cargo **container** . Its primary purpose is to minimize the number, severity and consequences of accidents and to...

...Identifiers: **hazardous** cargo

?

Ginger R. DeMille

? t25/3,k/2,8,9,10,12,17,21,22,36,

25/3,K/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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016637037 **Image available**
WPI Acc No: 2004-795750/200478
XRPX Acc No: N04-627159

**Item tray tracking method e.g. for mail in universal coding system,
involves receiving load container scan which associates container
unique identifier with enhanced label that is applied to tray
containing items**

Patent Assignee: HAMILTON D (HAMI-I); US POSTAL SERVICE (USPO-N)
Inventor: HAMILTON D
Number of Countries: 108 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200495225	A2	20041104	WO 2004US7705	A	20040402	200478 B
US 20040260665	A1	20041223	US 2003460449	P	20030404	200504
			US 2004817574	A	20040402	

Priority Applications (No Type Date): US 2003460449 P 20030404; US
2004817574 A 20040402

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200495225 A2 E 30 G06F-000/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ
CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID
IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ
NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ
UA UG US UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG BW CH CY CZ DE DK EA EE ES FI FR
GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PL PT RO SD SE SI SK SL SZ
TR TZ UG ZM ZW

US 20040260665 A1 G06N-005/00 Provisional application US 2003460449

**Item tray tracking method e.g. for mail in universal coding system,
involves receiving load container scan which associates container
unique identifier with enhanced label that is applied to tray
containing items**

Abstract (Basic):

... An enhanced label (120c) comprising a routing code and a label
unique identifier is generated and the enhanced label is applied to...

25/3,K/8 (Item 8 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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016145961 **Image available**
WPI Acc No: 2004-303837/200428
XRPX Acc No: N04-241922

**Mail detection and re-direction method involves reading radio
frequency identification tags attached to each mail piece in tray ,
and removing mails to be routed in different manners**

Patent Assignee: PITNEY BOWES INC (PITB)
Inventor: CORDERY R A; MORELLI M; PARKOS A; PINTSOV L A; REICHMAN R;
SANSONE R P; ZELLER C

Number of Countries: 032 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040049315	A1	20040311	US 2002238510	A	20020910	200428 B
EP 1398735	A2	20040317	EP 200320401	A	20030910	200428

Ginger R. DeMille

Priority Applications (No Type Date): US 2002238510 A 20020910

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 20040049315 A1 7 G06F-007/00

EP 1398735 A2 E G07B-017/02

Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
GR HU IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

Mail detection and re-direction method involves reading radio
frequency identification tags attached to each mail piece in tray,
and removing mails to be routed in different manners

...Title Terms: ROUTE

25/3,K/9 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

016145960 **Image available**

WPI Acc No: 2004-303836/200428

XRPX Acc No: N04-241921

Mail detection and redirection method in post office, involves
removing mails having radio frequency identification tag from tray when
mail to be routed in different direction than predetermined route
indicated in tag

Patent Assignee: PITNEY BOWES INC (PITB)

Inventor: SANSONE R P

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040049314	A1	20040311	US 2002238874	A	20020910	200428 B
US 6738689	B2	20040518	US 2002238874	A	20020910	200433

Priority Applications (No Type Date): US 2002238874 A 20020910

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 20040049314 A1 10 G06F-007/00

US 6738689 B2 G06F-007/00

Mail detection and redirection method in post office, involves
removing mails having radio frequency identification tag from tray when
mail to be routed in different direction than predetermined route
indicated in tag

Abstract (Basic):

... to trays. The ID information of tag in each mail, are read for
verification of routing of mail in tray. The mail which are to be
routed in different direction than predetermined route indicated on
tag, are removed from the tray.

...Title Terms: ROUTE ;

25/3,K/10 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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016099085 **Image available**

WPI Acc No: 2004-256961/200424

XRPX Acc No: N04-204321

Mail processing method for use in post office, involves scanning
radio frequency identification tags which are placed in mail pieces,
trays and palette at specified time during mail routing

Patent Assignee: PITNEY BOWES INC (PITB)

Inventor: BODIE K W; MILLER K G; PINTSOV L A; WINKELMAN J H; WONG K C

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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02-May-05

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05:40 PM

Ginger R. DeMille

US 20040049316 A1 20040311 US 2002238864 A 20020910 200424 B
US 6801833 B2 20041005 US 2002238864 A 20020910 200465

Priority Applications (No Type Date): US 2002238864 A 20020910

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 20040049316 A1 10 G06F-007/00

US 6801833 B2 G06F-007/00

Mail processing method for use in post office, involves scanning
radio frequency identification tags which are placed in mail pieces,
trays and palette at specified time during mail routing

Abstract (Basic):

... on each mail piece. Another set of RFID tags is placed on each
of the trays provided on a palette to identify the destination and
the sender of the mail pieces. Another RFID tag is placed on the
palette and the RFID tags are scanned at specified time during mail
routing.

...Title Terms: ROUTE

25/3,K/12 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015811245 **Image available**

WPI Acc No: 2003-873449/200381

Control mail system, control mail transmission apparatus and control mail
receiving apparatus

Patent Assignee: SANWA MATERIAL CO LTD (SANW-N)

Inventor: FUKAURA O

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2002032083	A	20020503	KR 200062973	A	20001025	200381 B

Priority Applications (No Type Date): KR 200062973 A 20001025

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

KR 2002032083 A 1 G06F-019/00

Abstract (Basic):

... signal to a target device by obtaining from the control data
read by the control mail receiving tool. The control data comprises a
recognition part described by a primary Domain Name System (DNS)
server address of the receiver, a control part described by a control
class code and a control code, and an...

...A receiver extracts control data from an e-mail simply and cheaply and
the process time for executing...

25/3,K/17 (Item 17 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015176414 **Image available**

WPI Acc No: 2003-236944/200323

Device for receiving registered post or parcel post

Patent Assignee: LEE C S (LEEC-I)

Inventor: LEE C S

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2002088847	A	20021129	KR 200127830	A	20010521	200323 B

Ginger R. DeMille

KR 394103 B 20030814 KR 200127830 A 20010521 200413

Priority Applications (No Type Date): KR 200127830 A 20010521

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

KR 2002088847 A 1 G06K-007/00

KR 394103 B G06K-007/00 Previous Publ. patent KR 2002088847

Abstract (Basic):

... A card input unit(104) scans a card possessed by a postman or a mail receiver and receives card information. If a card is judged as to a valid card in...
...bar code printed on a registered post or a postal parcel. A memory unit(107) extracts and stores display information including a user ID, the date and time, and a registered...

25/3,K/21 (Item 21 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014593448 **Image available**

WPI Acc No: 2002-414152/200244

XPX Acc No: N02-325577

Mail routing system determines whether receiver address, sender address or sender notification address is to be indicated based on which address is labelled as routing indicator

Patent Assignee: LOPEZ S W (LOPE-I)

Inventor: LOPEZ S W

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020029202	A1	20020307	US 2000197699	P	20000418	200244 B
			US 2000736055	A	20001213	

Priority Applications (No Type Date): US 2000197699 P 20000418; US 2000736055 A 20001213

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 20020029202 A1 26 G06F-017/60 Provisional application US 2000197699

Mail routing system determines whether receiver address, sender address or sender notification address is to be indicated based on which address is labelled as routing indicator

Abstract (Basic):

... on the mail, based on which a labeller labels the mail with determined address as routing indicator and stacks in predetermined mail stacking position.

... An INDEPENDENT CLAIM is also included for mail routing method

...For routing mails such as letters, envelopes, weekly magazines, catalogs, circular, packages, etc...

...Since a routing indicator is provided to each mail, the mail transfer is performed efficiently and the cost...

...The figure shows the flowchart explaining the mail routing procedure

...Title Terms: ROUTE ;

25/3,K/22 (Item 22 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014592813 **Image available**

WPI Acc No: 2002-413517/200244

XRFX Acc No: N02-324982

En route rage sensing apparatus for shipping goods, has direction indicator including corresponding capillaries extended into respective liquid reservoirs

Patent Assignee: GU J L (GUJL-I)

Inventor: GU J L

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6367408	B1	20020409	US 2000561201	A	20000427	200244 B

Priority Applications (No Type Date): US 2000561201 A 20000427

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6367408	B1		9 G08B-005/00	

En route rage sensing apparatus for shipping goods, has direction indicator including corresponding capillaries extended into respective...

Abstract (Basic):

... An INDEPENDENT CLAIM is included for method of operating en route rage sensing apparatus...

...En route rage sensing apparatus affixed on the exterior walls of packages such as crates, pallets, superstructures, corrugated pasteboard container and even plastic and metal containers containing goods, materials and manufactured articles, for detecting whether goods are transported in a recommended...

...The figure shows the en route sensing apparatus...

...Title Terms: ROUTE ;

25/3,K/36 (Item 36 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009713891 **Image available**

WPI Acc No: 1993-407444/199351

XRFX Acc No: N93-315373

Mail processing system for local and non-local mail - sorts and conveys non-local mail to carrier in sufficient time to be placed on next vehicle without waiting for loading

Patent Assignee: PITNEY BOWES INC (PITB)

Inventor: HUNT W M; OH J H; SANSONE R P

Number of Countries: 005 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 575109	A1	19931222	EP 93304545	A	19930611	199351 B
CA 2097959	A	19931219	CA 2097959	A	19930608	199410
US 5446667	A	19950829	US 92900397	A	19920618	199540
EP 575109	B1	19970115	EP 93304545	A	19930611	199708
DE 69307402	E	19970227	DE 607402	A	19930611	199714
			EP 93304545	A	19930611	
CA 2097959	C	20010327	CA 2097959	A	19930608	200122
EP 575109	B2	20030102	EP 93304545	A	19930611	200310

Priority Applications (No Type Date): US 92900397 A 19920618

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
EP 575109	A1 E	8	B07C-003/00	

Designated States (Regional): DE FR GB

CA 2097959	A		B07C-003/12	
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Ginger R. DeMille

US 5446667 A. 7 G07B-017/00--
EP 575109 B1 E 11 B07C-003/00
Designated States (Regional): DE FR GB
DE 69307402 E B07C-003/00 Based on patent EP 575109
CA 2097959 C E B07C-003/12
EP 575109 B2 E B07C-003/00
Designated States (Regional): DE FR GB

...Abstract (Equivalent): The system includes microprocessor device for assembling, arranging, and processing zip code, sorting, **routing**, and time table data, a device for **determining** the **routing** of the mail **trays** through a transportation system, a device for **determining** the times of departures of the transportation system, a device for **determining** if non local mail can be processed in time to meet the critical entry time of the postal distribution...

...in time to meet a departure sequence for the common carrier as determined by the **routing** of the mail...

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